CORRES. CONTROL OUTGOING LTR NO.

DOE ORDER #

00009315

### EG&G ROCKY FLATS

EG&G ROCKY FLATS, INC.
ROCKY FLATS PLANT, P.O. BOX 464, GOLDEN, COLORADO 80402-0464 • (303) 966-7000

September 10, 1993

93-RF-11040

J. K. Hartman Assistant Manager Transition and Environmental Restoration DOE, RFO

Attn: S. R. Grace

STATUS OF AND APPROACH TO READINESS REVIEW FOR OPERABLE UNIT 2 (OU2) SOIL VAPOR EXTRACTION (SVE) PILOT TEST PROJECT - NMH-461-93

This letter summarizes Environmental Restoration Management's (ERM's) approach to assessing the readiness to operate the OU 2 SVE Pilot Test Project.

As early as 1991, EM-20 provided direction for the development and use of a graded approach for use in program readiness assessments and evaluations. The ERM Readiness Review (RR) process for the OU 2 SVE Pilot Test Project has followed this approach. The level of documentation accumulated for the RR and the depth of assessment to which environmental, health and safety, quality assurance, and training requirements have been subjected are commensurate with the life-cycle stage of the Soil Vapor Extraction Pilot Project, the magnitude of the hazards involved, and the overall objectives of the Interim Measure/Interim Remedial Action (IM/IRA). Review efforts have focused on the actual operability, quality assurance requirements, and compliance status of the project, rather than focusing on conducting a detailed review of existing programmatic elements used in developing the project.

The RR process has been administered in accordance with Rocky Flats Plant (RFP) Policy 7-25, Readiness Review, and ERM Procedure 3-21000-ADM-18.03, Readiness Review. The process has also been administered in accordance with a Memorandum of Understanding, dated July 1, 1993, between: the Associate General Manager of ERM; the Manager of ERM Quality Assurance, Records and Documentation, and Environmental Quality Support; the Director of ERM Solar Ponds Projects; and, the Manager of ERM Facility Operations Management (FOM).

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AUTHORIZED CLASSIFIER

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CLASSIFICATION OFFICE

IN REPLY TO REP CC NO:

ACTION ITEM STATUS

PARTIAL/OPEN

CLOSED

LTR APPROVA S:

MCB: 700

ORIG & TYPIST INITIALS

DSB: /mw

RF-46469 (Rev. 7/93)

J. K. Hartman September 8, 1993 93-RF-11040 Page 2

Attachment 1 is a copy of the RR Notice for the OU 2 SVE Pilot Test Project, prepared in accordance with ERM Procedure 3-21000-ADM-18.03. A draft RR checklist, completed on July 30, 1993, was derived from basic requirements cited in the RFP Quality Assurance Project Plan (QAPP) and from FOM direction regarding health and safety, training, and environmental compliance issues.

The "baseline" documents for the OU 2 SVE Pilot Test Project (the Implementation/ Operation Plan and the Pilot Test Plan) provided the basis for the assessment of compliance with the basic Quality Assurance Project Plan (QAPjP), FOM, Environmental, Health and Safety, and Training requirements. In addition to the Department of Energy (DOE) approval, and in accordance with the requirements set forth in the Rocky Flats Interagency Agreement (IAG), the Implementation/Operation Plan and the Pilot Test Plan have also been reviewed and approved by the Environmental Protection Agency (EPA) and the Colorado Department of Health (CDH).

In the evolution of the final checklist (Attachment 2), the Team Leader (the OU 2 SVE Project Manager) and various discipline experts have met on three occasions to discuss the applicability of various sitewide training requirements, analytical and data quality requirements, ERM operating procedures, health and safety, and environmental compliance issues and guidelines.

At the final RR conference scheduled on Friday, September 3, 1993, the RR Team evaluated the status of the final checklist elements. Any checklist elements which remained open (i.e., those elements for which compliance was not verified) was assessed on the basis of its overall impact to the environment and the health and safety of the workers and the public. In each instance, the RR Team specified the parameters for closure. Open elements that must be closed prior to the actual start of operations (i.e., the pilot testing), have been indicated as "prestart". Otherwise, the statement has been made that operations may proceed on the basis of the date-specific and defined plan of closure, and the item has been indicated as "poststart".

A summary report of the entire checklist status, including any open items, has been forwarded to the RR Board. The RR Board will make its recommendation to the Associate General Manager of ERM, who will issue or withhold authorization for startup of the OU 2 SVE Pilot Test.

The schedule and budget for this RR does not include provision for a special review or assessment by DOE. The inclusion of such a review at this point (if it were to include a provision for startup authorization) will result in a schedule impact that will affect EG&G's ability to meet the milestone for startup of the SVE Pilot Test on September 15, 1993.

J. K. Hartman September 10, 1993 93-RF-11040 Page 3

Should DOE have feedback regarding the above matter, or questions regarding the RR process employed, please contact either me at extension 8540 or M. C. Broussard at extension 8517.

N. M. Hutchins, Acting Associate General Manager

Moutours

**Environmental Restoration Management** 

EG&G Rocky Flats, Inc.

DSB:Imw

Orig. and 1 cc - J. K. Hartman

cc:

A. H. Pauole - DOE, RFO

R. J. Schassburger -

Attachments: As Stated (2)

### INTEROFFICE CORRESPONDENCE

DATE:

July 30, 1993

TO:

Mc Burneto for

FROM:

M. C. Broussard, Facility Operations Management, Bldg. 080, X8517

SUBJECT:

NOTICE OF READINESS REVIEW FOR OPERABLE UNIT 2, SOIL VAPOR EXTRACTION

PILOT TEST - MCB-129-93

The attached notice form provides information regarding the Readiness Review (RR) to be conducted August 31 for the OU2 Soil Vapor Extraction (SVE) Pilot Test. This RR is being implemented in accordance with ERM 3-21000-ADM-18.03, Rev. 0; and in accordance with the Memorandum of Understanding on Readiness Reviews dated July 1, 1993, between R. L. Benedetti, K. Bentzen, S.R. Keith, and M. C. Broussard.

Additional RR team members will be added at the discretion of M. D. Klein and D. S. Brown.

The attached OU2 (SVE) RR Checklist is a draft document for preliminary review by the RR Team Leader. Review items may be added to the Checklist as key project elements are more clearly identified through continuing review of baseline documents and pre-work efforts.

Should you have any questions regarding this notice, please contact Dave S. Brown at extension 8745.

DSB:Imw

Attachments:

As Stated (2)

### Distribution:

K. D. Anderson

K. Bentzen

W. S. Busby

S. D. Chestnut

N. M. Hutchins

M. D. Klein

R.S. Luker

T.R. Tranomar

 $\infty$ :

ERM Records Center w/o Attach.

### OU 2 (SVE) IM/IRA IMPLEMENTATION OPERATION READINESS REVIEW CHECKLIST ROCKY FLATS PLANT - ENVIRONMENTAL RESTORATION MANAGEMENT

-				E Idialyonana	DATE	DATE
ITEM	REQUIREMENT / ITEM DESCRIPTION	COMMENTS /	STATUS	nesPonsible DARTY	1 H	COMPLETE
, 10.	[Source of Requirement]	CLOSURE DOCUMENTATION		LWILL		
101	A project specific organization structure has been developed and specified in the OU2 (SVE) Pilot Test					
	Plan / QA Addendum (QAA).					
	CAPIP 1.0 § 2.0					
	Specific responsibilities (including subcontractor					***************************************
1.02	responsibilities) for OU2 (SVE) Pilot Test activities have	-	•			
	Over established in the COZ (SYLL) and Tost i and					
	OAPIP 1.0 § 2.0					
	A Pilot Test Plan for the OU2 (SVE) has been prepared.					
2.01	and reviewed and approved by EPA/CDH, DOE RFO,		,			
	ING Attachment 2, § VI: QAPIP 2.0 § 3.0]					
8	A QAA has been prepared and approved for the OU2					
2.02	(SVE) Pilot Test Plan.					
	[OAP]P 2.0 § 3.0]					
2 03	OU2 (SVE) personnel (including subcontractor	-				
}	personnet) have received orlentation, as applicable:					
	[QAP]P 2.0 § 4.0, and 2-21000-OPS-FO.14]					
2.03A	EHM CA					
2.03B	SOPs					
2.03C	EMHG					
	OU2 (SVE) personnel (including subcontractor					
2	personnel) have documented evidence of training in					
50.7	accordance with ERM 2-11000-ADM-2.01 for the					
	following, as applicable:	•			-	
	[QAP]P 2.0 §4.1; DOE Order 5480.11; RFP ER Site		- -			
	11& S Plan §4.1.2; RFP 1-10000-TUM §1.0]					
2.04A	OSHA Haz, Waste Site Health & Safety Training					•
	(including Col. and annual updates, as applicable)		-			
2.04B	Applicable fleatin & Safety Flactices (as defined in the FRM MX S Plact			<u> </u>		
JP0 6	FOR G Badishorical Safety Training					
2.04D						
2.04E	· Waste Generator Training					
2.04F	Bullding Specific Training					
2.04G	· Training to applicable operating procedures as					
	Identified in the OUZ (SEV) CAA.					
2.04H	Hander Certification (Subconflactor and the rights)					

# ROCKY FLATS PLANT - ENVIRONMENTAL RESTORATION MANAGEMENT OU 2 (SVE) IM/IRA IMPLEMENTATION OPERATION READINESS REVIEW CHECKLIST

14 5 11	A POLITIE MENTALITEM DESCRIPTION	COMMENTS /	CTATIIC	RESPONSIBLE	DATE	DATE
5.	[Source of Requirement]	CLOSURE DOCUMENTATION	201415	PARTY	DUE	COMPLETE
	OU2 (SVE) subcontractor personnel position					
	descriptions have been prepared in accordance with					
2.05	ERM 2-11000-ADM-02.02 for personnel (including					
	subcontractor personnel) performing/supervising data		,			
	collection and interpretation.		٠	•		•
	NOTE: The Position Description Form from ERM 2-		-			
	11000-ADM-02.02 should be used to document					
	subcontractor personnel qualifications.					
	(QAPIP 2.0 § 4.2)					
	Data Quality Objectives (DQOs) have been established					
	for the OU2 (SVE) Pilot Test activities and PARCC		-			
3.01	parameter objectives have been identified for all					
	measurement data.					
_	QAPP 3.0 § 3.1]					
	Fletd QC sample requirements (including sample types					
3.05	and frequencies) and acceptance criteria have been	•				
	established in the OU2 (SVE) Test Plan /OAA.					
	[QAP]P 3.0 § 3.5]					
	SOPs have been developed and approved by					
2	EPACDH and ERM for all proposed field activities, and					
3	that the applicable SOPs are Identified in the OU2					
_	(SVE) IM/IRA Implementation and Operation Plan.					
	[OAP]P 3.0 § 3.2]	-				
	NOTE: This includes SOPs for field screening and					
	visual inspections, all pilot tests/subtests, soil gas		•			
_	sampling, and groundwater sampling (ie, activities					
_	included in the draft OU2 (SVE) IM/IRA Implementation					
_	and Operation Plan.					
	Verily that OU2 (SVE) analytical requirements are		•			
3.05	consistent with analytical methods specified in the RFP		٠			
-	Il a are methods specified in the Pilot Test Plan and					
	In the Indiamentation and Operation Plan consistent with					
	those specified in the QAPIP 3.0 § 3.3 and GRRASP					
	Part A, Attachment I, § III.D					

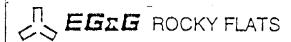
### OU 2 (SVE) IM/IRA IMPLEMENTATION OPERATION READINESS REVIEW CHECKLIST ROCKY FLATS PLANT - ENVIRONMENTAL RESTORATION MANAGEMENT

HEM	REQUIREMENT / LITEM DESCRIPTION	COMMENTS /		BESDONSIBLE	DATE	DATE
ું ક	[Source of Requirement]	CLOSURE DOCUMENTATION	STATUS	PARTY	DOE	COMPLETE
	Progreement documents for subcontracted services					
4.01A						
	Plan/OAA, the OAPIP, and applicable SOPs.					
_						
4.01B	Verily that OU2 (SVE) utilizes analytical laboratories					
	approved by the EHM Sample Management					
	Any changes or revisions to applicable SOPs have					
505	been identified. If needed, verify that DCNs have been					
	prepared and approved in accordance with ERM 3-					
	21000-ADM-05.07.					
	UAF/F 5.0 9 3.8					
6.01	The OU2 (SVE) Test Plan / OAA and applicable SOPs					
-	MAY BEEN DIACED UNDER (ETM) DOCUMENT CONTROL					
	Subcontractors who have been selected to conduct the					
	OUZ (SVE) activities were selected from a list of					
7.01	qualified vendors, or were evaluated based on the		-			
	technical and quality tequirements for services specified					
	In the approved SOW.					
	Note: Subcontractors selected under the MTS satisfy					
	this prerequisite.					
	[QAPJP 7.0 § 7.3]					
9 O I	Verify that RFEDS has been notified per the					
	requirements specified in 3-21000-OPS-FO.14.					
	[3-21000-OPS-FO.14]					
	The necessary test plans/procedure(s) have been					
5	developed and approved to ensure satisfactory				-	
	Decloration of thems and systems.	*				
	The M&TE necessary to obtain the required					
	environmental measurements, as specified in the OU2			-		
12.01	(SVE) Plans, has been identified (an M&TE					
<u> </u>	Identification and Calibration List should be completed)					
	and is of the proper type, range,					
	accuracy and tolerance. Calibration and preventive		,		_	
<del>-</del> -:	maintenance schedules have been established.					
	OAPiP 12.0]					
20.01	Required State permits have been obtained to conduct					
	ING ACTIVITIES UNDER TENTION.					
	o Irabana di Barana					

DRAFT Status as of 7/30/93 - 8:45 AM

### OU 2 (SVE) IM/IRA IMPLEMENTATION OPERATION READINESS REVIEW CHECKLIST ROCKY FLATS PLANT - ENVIRONMENTAL RESTORATION MANAGEMENT

ITEM NO.	REQUIREMENT / ITEM DESCRIPTION [Source of Requirement]	CLOSURE DOCUMENTATION	STATUS	RESPONSIBLE PARTY	DATE DUE	DATE COMPLETE
20.02	20.02 Any required Internal RFP permits, etc, necessary to conduct the OU2 (SVE) activities have been obtained.					
20.02A	20.02A · IWCP approval (if applicable)		•			
20.02B	20.028 - Land use/Soil Disturbance					
20.02C	20.02C - NEPA dearance					<del></del>
20.02D	20.02D · At Ouality (if applicable)					
20.02E	20.02E Construction Management MOU					
20.02F	20.02F - Subcontractor space requests		,			
20.02G	20.02G • Buffer zone access		**			
20.0211	20.02H - OSHA Inspections on equipment		•			
20.03	A site specific H&S Plan has been prepared and	-		1		
	approved.					
	[ER Site Health & Safety Program Plan, Chpfr. 6]	_				



ENVIRONMENTAL MANAGEMENT DEPARTMENT

READINESS REVIEW NOTICE Readiness Review No.: OU2 (SVE)

Date: July 30, 1993

WP - 12052 / 53 / 54 / 55

### PROJECT/PROGRAM DESCRIPTION:

Pilot Test for Soil Vapor Extraction (SVE), Operable Unit No. 2

### READINESS REVIEW SCOPE:

This review will determine if prerequisites necessary to initiate the described work have been met. Prerequisites are specified in the RFP Sitewide QAPjP, the OU2 (SVE) Pilot Test Plan, the OU2 (SVE) IM/IRA Implementation and Operation Plan, applicable ERM administrative and operating procedures, the IAG, and the ERM Site Health & Safety Program Plan.

The Readiness Review will occur at 1:00 p.m. on Tuesday, August 31, in Building 080 (Interlocken), at a specific location to be determined.

### READINESS REVIEW BOARD MEMBERS:

- Chairman -- M. C. Broussard, Manager, ERM Facility Operations
  - -- K. Bentzen, Manager, ERM Quality Assurance, Records, and Documentation Manager, Environmental Quality Support
  - -- W. S. Busby, Acting Director, ERM Remediation Project Management
  - -- N. M. Hutchens, Director, ERM Environmental Science & Engineering

### READINESS REVIEW TEAM:

Leader		M. D. Klein,	ERM Environmenta	l Science & l	Engineering;	OU2 (SVE)	Project 1	Manager
--------	--	--------------	------------------	---------------	--------------	-----------	-----------	---------

- -- D. S. Brown, ERM Facility Operations (Acting)
- R. S. Luker, Environmental Quality Support
- -- T. R. Trangmar, Environmental Design Engineering

Prepared By: \_\_\_\_\_\_ Date: \_\_\_\_\_\_

D. S. Brown, ERM/FOM (Acting)

Board Chairman: \_\_\_\_\_ Date: \_\_\_\_\_

M. C. Broussard, Manager, ERM/FOM

Attachment 2 93-RF-11040 Page 1 of 6

2.03D	2.030		2 038		2.03A		2.03		202		2.01		R			1.01		NO.
RFEDS Datacap - 02.01	Environmental Mgt Radiological Guides (EMRG)			SOP*		[OAP]P 2.0 § 4.0, and 2:21000:OPS-FO.14]	OU2 (SVE) personnel (including subcontractor personnel) have received orientation, as applicable:	QAPP 2.0 § 3.0]	A DAA has been prepared and approved.	IAG Attachment 2 ¶ VI; G: \20§3.0	A Pliot Test Plan for the OU2 (SVE) has been prepared and reviewed and approved by EPA/CDH, DOE RFO, and EGAG ERM.	OAPP 1.0 § 2.0		Specific (esponsibilities (including subcontractor (lesconsbilities) have been established	[QAP]P 1.0 § 2.0]	developed and specified.	A project specific organization structure has been	REQUIREMENT / ITEM DESCRIPTION [Source of Requirement]
Part of W-C RFP Data Management Course. Agenda provided. Sign-off sheets will be furnished.	Part of Sire Safety Briefing, scheduled for 9/3. Sign-off sheets will be furnished	Section 1	cheanur clear soulle gailing has taso aireacy been conducted, and rosters provided. A 40-hour training period will be conducted by FITG daying SO checkout.	A material section is being added to the implementation	upon request. An agenda is provided as closure, but	TON TON Durleys Broom has the principle of the principle		CACCO Intuitation in	A QAA is included in the Pilot Test Plan. Appendix E and § 3.5 of the implementation/ Operation Plan provide the		As the lead organization, CDH has provided the only approval required to the implementation/Cperation Plan and the Plan Test Plan per the requirements of the IAG of a RCBA are.	7 - 7 - 7 - 7 - 7	Integrated with item 1.01 above; but the field team responsibilities are clear and adequate.	The implementation/Operation Plan includes the field learn destrictions in S.4.2.1. They are yet in be fully		The final org chart, with specific personnel named, is still pending completion.	Included in the PMP, which is not a controlled document.	CLOSURE DOCUMENTATION
OPEN - Prestart	OPEN - Prestart	Maragement Training Memo Irom M. D. Klein to D. S. Brown, <b>9</b> 1793	Hoster for Fore and GTs.  Roster for Drum Training.  Roster and course outline for Deta.	CLOSED	OPEN - POSISIAN	Opport Design			CLOSED  Documentation noted at left.		CLOSED Leiter, G. W. Barghman (CDH) io R J. Schassburger (DOE), 3/25/93		Implementation/Operation Plan	CLOSED Fig. 6.1 and 8.4.2 froi that all all all all all all all all all a		Must be completed prior to actual start of Pilot Test.	OPEN - Prestart	STATUS
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9/7	9/7			<b>.</b>	9/16 9/16	}			9/1		1/6			<u> 6</u>		9/17	9/1	DATE DUE
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FINAL CHECKLIST
Status as of 9/7/93 - 9:53 AM
Shaded areas Indicated closed items.

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FINAL CHECKLIST		ostton Description Form from ERM 2. 2.02 should be used to document personnel qualifications (2) therefore IDCOst have been a table to	been propered in accordance with ERM 2:11000-ADM, 02:02 for personnel (including subcontractor personnel) performing supervising data collection and interpretation.	Silvaxinador personad	• Hazmal Employee Centilication (POT terrille rights)	<ul> <li>Training to applicable operating procedures as identified in the OU2 (SYE) QAA</li> </ul>		50.0	.c - EG&G Hudiological Safety Training	=	Applicable Health 8			(including OJT and annual updates, as applicable)	185 Plan §4.1.2; RFP 1-10000-TUM §1.0]	[QAP]P 2.0 §4.1; DOE Order 5480.11; RFP ER Sile	tollowing, as applicable:		OU2 (SVE) ourspined find full find submarrant	REQUI
	are delineated in the Pliot Test Plan; Doc. No. 21000 WP. (OUZ-07 (Final, 1/4/93)	4	I has is addressed by § 4 of the implementation Plan (not yet completed). EQS (Luker) will accept the format in the Plan in lieu of the Form, since the § 4 descriptions are substantively compliant.		Merna from M. D. Kieln to D. S. Brawn, 9/1/93, re: truining to be performed by Resource Technology Group (RTG).	Refer to § D.2.1 of Project OAA; much of this will be "post- startup".	Completed	All completed or scheduled	Part of Site Safety Bristing, scheduled for 9/3. Sign-off	Pan of Site Safety Briefing, scheduled for 9/3. Sign off sheets will be furnished.				Completed. Some lapses open.			on EG&G personnel.	A matrix has been provided for the subcontract personnel.  A matrix or other documentation is needed for verification.	CLOSURE DOCUMENTATION	COMMENTS /
	CLOSED. Documentation cited at telt.		CLOSED O Reference Item 1.02 of this Li checklist.	will OPEN - Prestart K	Documentation cited at left.			on documentation.	OPEN - Pre-start		Pending EG&G documentation of	ED PRIOR TO	**LAPSED TRAINING to be	OPEN - Pre-start			Madel Cook is an ing documentation. Madel		STATUS	
	Luker		O'Melia > Luker	Main O'Mella		Klein	O'Meha		Madel	Madel		Madel	O'Melia				Madel	O'Melia	PARTY	Dr. Cook
	PG .		- 3	<u> </u>		9 3	9/1 1/9	-	9/7	9/7		9/7	9/7						DATE	
	92		9/2	್ಕ 9		8/3					****			-					COMP	

FINAL CHECKLIST
Studies as of 9/7/93 - 9:53 AM
Shaded areas indicated closed items.

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FINA Shak Shad	5.01		4 OI A	3 2			3 0	- φ	z =
FINAL CHECKLIST Shuded areas indicated closed items.	Prepared and approved in accordance with ERM 3- [CAP]P 5.0 § 3.8]	Verify that OU2 (SVE) utilizes analysed laboratories	In pleinantation and Operation Plan and the troops specified in the OAPIP 3.0 § 3.3 and GRRASP Part A. Attachment I. § III. D.  Provurenced documents for subcontracted services contain applicable technical features.	Analytical requirements are consistent with analytical methods specified in the RFP GRPASP. [Let. ere	visual inspections, all pilot tests/subtests, soil gas sampling, and groundwater sampling (ie, activities included in the draft OU2 (SVE) IM/IRA Implementation wild Operation Plan.	IOAPIP 3 0 § 3.21	SOPs have been developed and approved by EPA/CDH and ERM for all proposed field activities, and that the applicable SOPs are identified in the OU2 (SVE) IM/IRA Implementation and Operation Plan.	Field QC sample requirements (including sample types and frequencies) and acceptance criteria have been [QAP]P 3.0 § 3.5]	NO. REQUIREMENT / ITEM DESCRIPTION
		was reviewed by ERM/EOS.  NOTE: HAZMAT CERTIFICATION (DOT) REQUIREMENT SHOULD BE NOTED IN  Sample Mgi information letter on file (PAK-243-03)	and Appendix E of the Implementation/Operation Plan. \$ 3.6 Documentation cited at left address enalytical and DAOC requirements.	provided to RTG, including ???  Duta quality levals are clear. Mobile lab processes are clearly covered in the Cart.		ACCOMMODATES THE INVOCATION OF ESTABLISHED PROCEDURES AT APPROPRIATE POINTS.		CLOSUF OC requirements inclu- Implementation/Opera	COMMENTS
January Maria	Documentation cited at left.  OPEN - Prestan Need copy of memo, S. Luker > M. Klein regarding this matter	Nation citud at fult		ору оѓ	CLOSED  Decumentation died at left.  OPEN - Preston	Project Manager is required dearly staling that the notebook process/method will not be used to in any manner circumvent the proper utilization of existing procedure.	OPEN - Prestart The QAA section is approved. However, a nemo to the from the	CLOSED STATUS	1 CIVILL
	Klein > Luker	Klein Brown	Klein> Luker	Madel	OʻMvila⇒ Klein⇒ Trangmar	XIvia	McLaughtin (ATG) >	RESPONS PARTY O'Majias	
	9/1 9/3	РG	£/1	9/6	5	9/7	9/3	S. DATE	
	8.6	26	9/2		9/2		9/2	E DATE COMP	

20.01	12.01	11.01	8.01	7.01	6.01	NO.
Required State permits have been obtained to conduct the activities under review.  [IAG Chapter 1, paragraph 8]	The M&TE necessary to obtain the required environmental measurements, as specified in the OU2 (SVE) Plans, has been identified (an M&TE Identification and Calibration List should be completed) and is of the proper type, range, accuracy and tolerance. Calibration and preventive maintenance schedules have been established. (QAP)P 12.0	The necessary test plans/procedure(s) have been developed and approved to ensure satisfactory performance of items and systems. [CAPIP 11.0 § 3.2; CAPIP 5.0]	Verfy that RFEDS has been notified per the requirements specified in 3:21000-OPS-FQ.14	Subcontractors selected to conduct the activities were selected from a list of qualified vendors or yere evaluated based on the technical and quality negligements for services specified in the approved SOW.  Note: Subcontractors selected under the MTS setiety that prerequisite.  [CAP]P 7.0 § 7.3)	The OU2 (SVE) Test Plan / QAA and applicable SOPs have been placed under (ERM) document control.  [QAP]P 6.0]	REQUIREMENT / ITEM DESCRIPTION [Source of Requirement]
The carly permitting required has been the APEN. See It: Dean Parson to CDH; 8/25/93 EG&G AQD notice	A checklist is being completed by RTG. See comment notes transmitted to RTG via procurement regarding O&M Manual.  See also dosure documentation on Item 3.03.	These items are included within checklist items 2.01; 2.02 and 3.03	REEDS has been routled. See closure documentation for term 4.018 above.	Subconfectors are MTS, T.A. Brady (TRB-297-93) to M. D. Klein, 8/26/93 = MTS 225447S0	The OU2 baseline documents are not under controlled distribution. See Appendix A to this checklist for present and committed status of these documents.	COMMENTS / CLOSURE DOCUMENTATION
CLOSED Documentation chad at left.	ont OPEN - Prestart O&M Did not receive complete copy of comments.	202 CLOSED	Docture the period of the Control of	Documentation clied at left.	OPEN - Prestan & Poststan See Appendix A for required closure dates.	STATUS
O'Mella Klein O'Melia	Klein Madel		Madel	Mein	Luker>Brown	RESPONS. PARTY
B/I	8% 576		1,6	529	9/1 9/8	DATE DUE
9/2		8/24	9/2	9/2		DATE COMP

20 20 20	20.02H	20.02F 20.02G	20.02E	20.02C	20.028	20 02A	20.02	Ņ.
A site specific H&S Plan has been prepared and approyed [ER Site Health & Safety Program Plan, Chptr. 6]	oli odobilositi	<ul> <li>Subcontractor space requests</li> <li>Buffer zone access</li> <li>OSHA inspections on applications</li> </ul>	· Air Clarity (if applicable) · Construction Management MOU		Land Use / Soil Disturbance     NEPA distracts	· IMCP approval (it applicable)		
Approved 8/8/93 Copy of signed cover sheet provided	CM IS RESPONSIBLE FOR INSURING OSHA COMPLIANCE OF ITEMS ON SITE. Should be part of the MOU.	Cleared	NA. See also documentation for flem 20 p1. The MOU provided is not sufficient: not signed by both parties.	categorical exclusion is claimed. Documentation not sufficient. Is the CX for all of OU 2 scope, or just some phases?	Soil Disturbance Forms \$0.6 + 63.6 60.8 + 63 Land Use approved, Auth. 866214, 3/31/63	IWCP TR067520 approved 9/1/53		CLOSURE DOCUMENTATION
CLOSED Dozumentation checket jett	OPEN - Prestart	Need verification	CLOSED OPEN - Presian	OPEN - Prestart	CLOSED  Documentation clied at left	CLOSED		SULVIS
Madel	Trangmar	O'Melia Madel	Madel	Madel	Saunders Madel	Trangmar	FARIT	RESPONS.
9/1	9/8	9/8 9/1	1/6	9/1 9/8	£.	5	טטה	DATE
9/2			972		9/2	92	COMP	DATE

## Status and Commitments for OU 2 SVE Controlling Documents

(reference Item 6.01 of Checklist)

	4.0.00			
ΊΠΕ	PRESENT STATUS	COMMITTED ACTION	DUE DATE	RESPONSIBLE INDIVIDUAL
"Operations and Maintenance Manual, Rocky Flats Draft mobile Soil Vapor Extraction Pilot Plant, Vol. 1, Operating 07/30/93 Procedures"	Draft 107/30/93	Format and control per ERM requirements. Completion date at right presumes no major content changes and therefore completion not required prior to startup. If there are major content changes, document control must be implemented prior to startup.	10/4/93	Klein>Luker
*OU 2 IM/IRA Implementation and Operation Plan, Soil  Vapor Extraction Pilot Test, RFP, Operable Unit 2*   2	Draft July, 1993	Format and control per ERM requirements. Completion date at right presumes no major content changes and therefore completion not required prior to startup. If there are major content changes, document control must be implemented prior to startup.	10/4/93	Klein>Luker
"Pilot Test Plan, Soil Vapor Extraction Technology, Subsurface InvIRA, OU 2", Doc. Number 21000-WP-OU02.07	FINAL 01/04/93	Place under ERM control. No formatting changes will be required until/it revised. A deficiency report (DR) has been written against the formatting requirement.	9/8/93	Luker
r*Project Management Plan, 903 Pad, Mound, and East Trenches Area, OU 2*	Draft 12/21/92	Format and control per ERM requirements. Comptetion date at right presumes no major content changes and therefore completion not required prior to startup. If there are major content changes, document control must be implemented prior to startup.	10/4/93	Klein>Luker
1"Project-Specific H&S Pfan for Soil Vapor Extraction, Subsurface IM/IRA, East Trenches Area, OU 2"	FINAL Aug., 1993	Place under ERM control. No formatting changes will be required until/if revised. A deficiency report (DR) has been written against the formatting requirement.	19/8/93	Luker
i "Soil Vapor Extraction Pilot Test Plan Site No. 2, Enhanced Vapor Extraction of Organic Compounds with Electrical Subsurface Heating, East Trenches Area, Operable Unit 2"	Draft June, 1993	Format and control per ERM requirements. Completion date at right presumes no major content changes and therefore completion not required prior to startup. If there are major content changes, document control must be implemented prior to startup.	10/4/93	Klein>Luker
''Soil Vapor Survey Work Plan, Subsurface IM/IRA, 903 7 Pad, Mound, and East Trenches Areas, OU 2"	FINAL 01/12/93	Place under ERM controt. No formatting changes will be required until/if revised. A deficiency report (DR) has been written against the formatting requirement.	9/8/93	Luker